



TAYLORMADE®

RENEWABLES LTD.

Energy | Environment | Innovation

TRL RAIN™ TECHNOLOGY

Pure Water, Pure Bliss

Harvesting Water





TRL RAIN™ Plant (Patented Technology)

Taylormade Renewable Limited (TRL) stands at the forefront of wastewater treatment innovation, proudly listed on the esteemed BSE SME Platform. This patented technology is meticulously engineered to address a wide spectrum of challenging wastewater types, including saline, brackish, mine wastewater, RO Reject, chemical-induced water, Spent wash and many more. It is renowned for its exceptional reliability and efficiency, capable of achieving concentrations exceeding super saturation levels with a specific gravity of 1.3 and above across all wastewater streams.

Key Features:

- ▶ TRL system never clogs or blocks due to its self-cleaning mechanism.
- ▶ Highly Energy Efficient and Eco-friendly Design concept.
- ▶ Water can be extracted up to super saturation levels, so minimum sludge produced.
- ▶ Very less power demand compared to MEE or MVRE.
- ▶ Can treat any quality and quantity of input water.
- ▶ No pre-treatment required for input water.
- ▶ Modular design - Easy to Install & Operate.
- ▶ No Chemical Consumption and No CIP work required.
- ▶ Maintenance and operation costs are at the very minimum as compared to any other technology

Clear Your Waste Water with TRL-RAIN™ Technology



Advanced Evaporation and Condensation:

TRL-RAIN Technology utilizes low-temperature evaporation and condensation processes tailored for treating a wide range of challenging wastewater types.

Non-Clogging Design:

Unlike traditional systems, TRL RAIN™ features a self-cleaning mechanism that prevents clogging, ensuring continuous operation and minimal downtime.

Versatility in Energy Sources:

Capable of utilizing waste heat, steam, or thermic fluid heater inputs, TRL RAIN™ maximizes energy recovery and resource efficiency across diverse industrial applications.

Comprehensive ZLD Integration:

TRL RAIN™ incorporates a robust Zero Liquid Discharge (ZLD) solution that ensures all liquid waste is fully treated and eliminated, thereby minimizing disposal costs and environmental impact.

Modular and Scalable:

The TRL system features a modular design that makes installation and operation straightforward, allowing for scalability to match varying wastewater treatment needs.

Other Applications:

- Spent wash, first technology to treat spent wash.
- Treats produced water and refinery wastewater, recovering valuable chemicals.
- Purifies dyeing and finishing effluents, recycles water for manufacturing processes.
- Manages cooling tower blowdown, polishes boiler feed water, and treats plant runoff.
- Processes mine drainage, recovers metals, and treats tailings pond effluents.
- Handles chemical manufacturing effluents and recycles purified water for production.
- Treats food processing wastewater, removes organic matter, and recycles clean water.
- Purifies pharmaceutical manufacturing effluents, removes active ingredients, and recycles water.
- Handles pulp and paper mill effluents, removes organic compounds, and recycles process water.
- High COD water.
- Treats sewage plant effluents, manages landfill leachate, and recycles water for municipal use.



Our Expertise:

TRL offers a comprehensive range of TRL RAIN™ for following applications:

- Separation Technologies • Product Concentration • Recovery Systems

Experience the TRL Advantage:

Join **TaylorMade Renewable Limited** at the forefront of sustainable innovation with our groundbreaking TRL RAIN™ technology. As leaders in wastewater treatment solutions, we are committed to transforming industries through advanced evaporation and condensation processes. Together, we can build a cleaner, more sustainable future. Join us today and let's shape tomorrow's sustainable solutions together.



Our Other Technologies:

- TRL Zeo Membrane, RO-BFO plant with Zeolites for recovering maximum drinking water from any brackish or Sea-water
- TRL Zeo Membrane for Surface and Subsurface disposal of Produced Water with ZLD (Zero Liquid Discharge) Option
- TRL Zeo Membrane in combination of TRL-RAIN (patented) for treating RO reject or concentrated Hazardous streams with High COD, BOD, TDS to ZLD from any industries
- TRL RAIN ULTRA - Best for Solvent Recovery from waste stream (patent applied and pending)
- TRL IAF EC-ULTRA with Zeolites & AOP using Artificial Intelligence - for hazardous Hospitals waste water
- Domestic Waste water treatment like STP, WTP and Grey water & Water Infrastructure.

We are deployment partners for BARC for hazardous to drinking water applications

“**Discover TRL RAIN™: Transforming Wastewater, Embracing Tomorrow.**” - Your Partner for Innovation and Success.”



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